"CONSTRUCTION OF BASAVALINGAPPA SAMUDHAYA BHAVANA IN BYATARAYANAPURA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO. 7 BYATARAYANAPURA ODIGEHALLI SUB DIVISION."

Measurement Sheet

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Name: -Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

MEASUREMENT SHEET

Third & Final Bill

Client: **Sri. K. Shankar Reddy, #03,1st cross, Veeranna palya, Ramachandrappa Layout, Bangalore-560045**

	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m										
From **To**										
E26	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work.									
Measurements taken on										
	Gate1	sqm	1.0	4.70		2.10	9.87			
	Gate 2	sqm	1.0	1.20		2.10	2.52			
	Total Executed Quantity						**12.39**			
	Now to be paid						**12.39**	**12475.00**	**154565.25**	7/5/22
E27	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.									
Measurements taken on										
	Ground Floor									
	V	Sqm	4.0	0.75		0.60	1.80			
	First Floor									
	W	Sqm	20.0	1.80		1.50	54.00			
	V	Sqm	3.0	0.75		0.60	1.35			
	Painting for Grill Works	Sqm				window qty	54.00			
	Total Executed Quantity						**111.15**			
	Now to be paid						**111.15**	**113.89**	**12658.43**	7/5/22

K. Sankar Reddy
CONTRACTOR

ASSISTANT ENGINEER

Assistant Executive Engineer
Kodigehalli Sub Division
ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Name: -Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

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	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m										
From To										
E28	Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications.									
Measurements taken on										
	For sump	No.s	4.0				4.00			
						Total Executed Quantity	4.00			
						Now to be paid	4.00	330.87	1323.48	7/5/22
E29	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work.									
Measurements taken on										
	Vidhansoudha grill									
	Westernside	sqm	1.0	29.50		2.10	61.95			
	Southernside	sqm	1.0	22.35		2.10	46.94			
	Deductions									
	Gate 1	sqm	-1.0	4.70		2.10	-9.87			
	Gate 2	sqm	-1.0	1.20		2.10	-2.52			
						Total Executed Quantity	96.50		882396.00	
						Now to be paid	96.50	9144.00	882350.28	7/5/22

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

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Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
E30		KSRB 13-11 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity)									
Measurements taken on											
		Water Tank	**Nos**	**1.0**				**1.00**			
		Total Executed Quantity						**1.00**			
		Now to be paid						**1.00**	**8185.41**	**8185.41**	7/5/22
E31		Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. size of 550 x 400mm									
Measurements taken on											
		Wash Basin	**Nos**	**7.0**				**7.00**			
		Total Executed Quantity						**7.00**		25350.99	
		Now to be paid						**7.00**	**3621.57**	**25351.02**	7/5/22
E32		Providing pedestal for wash basin of approved 1st quality and make conforming to ISI Specifications and fixing for low down cistern as directed .Rate includes cost of materials and conveyance to work spot.									
Measurements taken on											
		Pedestal	**Nos**	**7.0**				**7.00**			
		Total Executed Quantity						**7.00**			
		Now to be paid						**7.00**	**1078.92**	**7552.44**	7/5/22

Assistant Executive Engineer
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BBMP, Bangalore

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	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m										
From To										
E33	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.									
Measurements taken on										
	EWC	Nos	6.0				6.00			
	Total Executed Quantity						6.00			
	Now to be paid						6.00	5941.25	35647.52	7/5/22
E34	Providing and fixing 600x450mm bevelLead edge mirror of superior glass with 6mm hard board backing and fixed to wooden cleats with C.P screws, washers, including cost of materials, labour complete as per specifications.									
Measurements taken on										
	Mirror	Nos	7.0				7.00			
	Total Executed Quantity						7.00			
	Now to be paid						7.00	1387.01	9709.08	7/5/22
E35	Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. 15 mm dia nominal bore									
Measurements taken on										
	Bib Cock	Nos	13.0				13.00			
	Total Executed Quantity						13.00			
	Now to be paid						13.00	227.77	2961.04	7/5/22
E36	Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore of PVC connection including cost of all materials, labour and HOM with all leads complete as per specifications.450mm length									
Measurements taken on										
	Conection Pipe	set	13.0				13.00			
	Total Executed Quantity						13.00			
	Now to be paid						13.00	316.48	4114.28	7/5/22

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MEASUREMENT SHEET

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	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m										
From To										
E37	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes 25mm dia conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete.									
Measurements taken on										
	25mm dia	m	1.0	99.00			99.00			
	Total Executed Quantity						99.00			
	Now to be paid						99.00	234.96	23261.52	7/5/22
E38	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgf/sq.cm working pressure with pipe fittings, wall clips, and making good the wall, ceiling and floor for sanitary pipelines, including cost of all materials, labour charges, HOM and testing complete as per specifications 140 mm dia									
Measurements taken on										
	140 mm dia	m	1.0	60.00			60.00			
	Total Executed Quantity						60.00			
	Now to be paid						60.00	824.77	49486.46	7/5/22
E39	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top with table moulded non modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diametre confirming IS :12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) Specification No. KBS 12.deep 0.91m									
Measurements taken on										
	Man hole	Nos	4.0				4.00			
	Total Executed Quantity						4.00			
	Now to be paid						4.00	17628.35	70513.42	7/5/22

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Kodigehalli Sub Division
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Assistant Executive Engineer
Kodigehalli Sub Division

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	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m										
From To										
E40	KSRB 12-8.1 : Constructing brick masonry inspection chamber 450X450 and 450mm depth for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty)450x450mm, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.									
Measurements taken on										
	Inspection Chambers	Nos	4.0				4.00			
	Total Executed Quantity						4.00			
	Now to be paid						4.00	6353.64	25414.56	7|5|22
E41	**Concealed Conduit System** Supplying heavy gauge PVC conduit pipe ……mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary									
		mtr								
a)	**Vide Total executed Quantity from premeasuremet Page no.** 1						800.00			
	Now to be Paid QTY						800.00	44.40	35520.00	
b)	**Vide Total executed Quantity from premeasuremet Page no.** 1						500.00			
	Now to be Paid QTY						500.00	58.83	29415.00	7|5|22
E42	Supplying heavy gauge PVC Conduit Pipe ….dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.									
		mtr								
a)	**Vide Total executed Quantity from premeasuremet Page no.** 2						192.00			
	Now to be Paid QTY						192.00	56.61	10869.12	
b)	**Vide Total executed Quantity from premeasuremet Page no.** 2						265.00			
	Now to be Paid QTY						265.00	59.94	15884.10	7|5|22

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Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
E43		Supplying and fixing PVC/metal conduit Deep junction box									
			Nos								
		Vide Total executed Quantity from premeasuremet Page no. 3						124.00			
	a)	**Now to be Paid QTY**						124.00	52.17	**6469.08**	7/5/22
E44		Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete.									
			mtr								
		Vide Total executed Quantity from premeasuremet Page no. 4						290.00			
	a)	**Now to be Paid QTY**						290.00	23.31	**6759.90**	
		Vide Total executed Quantity from premeasuremet Page no. 4						25.00			
	b)	**Now to be Paid QTY**						25.00	42.18	**1054.50**	
E45		Supplying PVC/GI flexible conduit pipe…mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of thepi pe terminated completely									
			mtr								
		Vide Total executed Quantity from premeasuremet Page no. 5						10.00			
	a)	**Now to be Paid QTY**						10.00	31.08	**310.80**	
E46		Supplying And Fixing Metal Fan Box with Round Hook.(P.N0 3,1.12)									
			nos								
		Vide Total executed Quantity from premeasuremet Page no. 6						49.00			
		Now to be Paid QTY						49.00	94.35	**4623.15**	

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		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m											
From	To										
E47		Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.									
		pts									
		Vide Total executed Quantity from premeasuremet Page no. 7						16.00			
	a)	Now to be Paid QTY						16.00	177.60	2841.60	
		Vide Total executed Quantity from premeasuremet Page no. 7						21.00			
	b)	Now to be Paid QTY						21.00	277.50	5827.50	
		Vide Total executed Quantity from premeasuremet Page no. 7						102.00			
	c)	Now to be Paid QTY						102.00	416.25	42457.50	
		Vide Total executed Quantity from premeasuremet Page no. 7						38.00			
	d)	Now to be Paid QTY						38.00	527.25	20035.50	
		Vide Total executed Quantity from premeasuremet Page no. 8						20.00			
	e)	Now to be Paid QTY						20.00	749.25	14985.00	
E48		Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.									
		mtr									
		Vide Total executed Quantity from premeasuremet Page no. 9						2900.00			
	a)	Now to be Paid QTY						2900.00	15.54	45066.00	
		Vide Total executed Quantity from premeasuremet Page no. 9						4550.00		103558.00	
	b)	Now to be Paid QTY						4550.00	22.76	103535.25	
		Vide Total executed Quantity from premeasuremet Page no. 9						600.00			
	c)	Now to be Paid QTY						600.00	35.52	21312.00	

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Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		Vide Total executed Quantity from premeasuremet Page no. 9						400.00			
	d)	Now to be Paid QTY						400.00	49.95	19980.00	
		Vide Total executed Quantity from premeasuremet Page no. 9						60.00			
	e)	Now to be Paid QTY						60.00	77.70	4662.00	
		Vide Total executed Quantity from premeasuremet Page no. 9						90.00			
	f)	Now to be Paid QTY						90.00	127.65	11488.50	
E49		Supplying and **flush mounting powder coated / galvanized metal box** suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall									
			nos								
		Vide Total executed Quantity from premeasuremet Page no. 10						1.00			
	a)	Now to be Paid QTY						1.00	105.45	105.45	
		Vide Total executed Quantity from premeasuremet Page no. 10						1.00			
	b)	Now to be Paid QTY						1.00	116.55	116.55	
		Vide Total executed Quantity from premeasuremet Page no. 10						4.00			
	c)	Now to be Paid QTY						4.00	138.75	555.00	
		Vide Total executed Quantity from premeasuremet Page no. 10						2.00			
	d)	Now to be Paid QTY						2.00	160.95	321.90	
		Vide Total executed Quantity from premeasuremet Page no. 10						2.00			
	e)	Now to be Paid QTY						2.00	183.15	366.30	
		Vide Total executed Quantity from premeasuremet Page no. 10						14.00			
	f)	Now to be Paid QTY						14.00	199.80	2797.20	

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		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m											
From	To										
E50		Supplying and fixing **superior quality modular switch mounting polycarbonate plate** with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.									
Measurements taken on											
	a)	1 to 3 Module	No					1.00	122.10	**122.10**	
	b)	4 Module	No					1.00	138.75	**138.75**	
	c)	6 Module	No					4.00	194.25	**777.00**	
	d)	8 Module	No					2.00	222.00	**444.00**	
	e)	12 Module	No					2.00	255.30	**510.60**	
	f)	16-18 Module	No					14.00	299.70	**4195.80**	
E51		Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.									
Measurements taken on											
	a)	6Amps one way.	No					185.00	77.70	**14374.50**	
	b)	6Amps two way.	No					6.00	105.45	**632.70**	
	c)	6Amps 3way socket.	No					28.00	116.55	**3263.40**	
	d)	Stepped Fan Regulator.	No					31.00	321.90	**9978.90**	
	e)	16Amps one way switch	No					2.00	127.65	**255.30**	
	f)	32Amps DP switch	No					2.00	202.02	**404.04**	
	g	6/16Amps universal socket.	No					5.00	179.82	**899.10**	
E52		Supplying 50mm **wooden plug**, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab.									
			nos								
		Vide Total executed Quantity from premeasuremet Page no. 11						950.00			
		Now to be Paid QTY						950.00	7.77	**7381.50**	
E53		Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.									
Measurements taken on											
	a)	6-32 Amps SP.	No					25.00	481.74	**12043.50**	
	b)	5-32 Amps DP	No					2.00	1008.99	**2017.98**	

Assistant Executive Engineer
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Bangalore

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ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
Kodigehalli Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Project Name: -Construction of Basavalingappa Samudhaya Bhavana in Byatarayanapura and construction of Ambedkar Bhavan in Amruthahalli in ward no. 7 Byatarayanapura Kodigehalli sub division.

MEASUREMENT SHEET

Third & Final Bill

Client: **Sri. K. Shankar Reddy, #03,1st cross, Veeranna palya, Ramachandrappa Layout, Bangalore-560045**

	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m										
From To										
E54	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door									
Measurements taken on										
a)	6 way TPN	No					2.00	3696.30	**7392.60**	
E55	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.									
Measurements taken on										
a)	100Amps 4x30x6mm Aluminium Strips	Mtr					6.00	2275.50	**13653.00**	
E56	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat … with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.									
Measurements taken on										
a)	50x50x6mm	Mtr					6.00	366.30	**2197.80**	
b)	40*40*6mm	Mtr					6.00	283.05	**1698.30**	
c)	50X100X50X6mm C channel	Mtr					6.00	699.30	**4195.80**	
E57	Fabricating supplying and mounting MS box made out … SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.									
Measurements taken on										
a)	14SWG	Sqc ms					125000.00	0.44	**55500.00**	

K. Sankar Reddy
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	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m										
From To										
E58	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts.									
	nos									
	Vide Total executed Quantity from premeasuremet Page no.						**4.00**			
	Now to be Paid QTY						4.00	4606.50	**18426.00**	
E59	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip									
	Mtr									
	Vide Total executed Quantity from premeasuremet Page no.						**10.00**			
a)	**Now to be Paid QTY**						10.00	83.25	**832.50**	
	nos									
	Vide Total executed Quantity from premeasuremet Page no.						**10.00**			
b)	**Now to be Paid QTY**						10.00	560.55	**5605.50**	
E60	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc.									
	mtr									
	Vide Total executed Quantity from premeasuremet Page no.						**50.00**			
a)	**Now to be Paid QTY**						50.00	64.38	**3219.00**	
E61	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975									
	mtr									
	Vide Total executed Quantity from premeasuremet Page no.						**50.00**			
a)	**Now to be Paid QTY**						50.00	199.80	**9990.00**	

K. Shankar Reddy
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Anthony. N.D
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		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m											
From	To										
E62		Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.**In existing trench/duct.**									
			mtr								
		Vide Total executed Quantity from premeasuremet Page no.						**40.00**			
	a)	**Now to be Paid QTY**						40.00	17.21	**688.20**	
		Vide Total executed Quantity from premeasuremet Page no.						**10.00**			
	b	**Now to be Paid QTY**						10.00	38.85	**388.50**	
E63		Digging of trench of 0.6m deep * 0.50mtr wide refiling the trench to the required ground level & consolidating etc., complete.									
			mtr								
		Vide Total executed Quantity from premeasuremet Page no.						**20.00**			
	a)	**Now to be Paid QTY**						20.00	113.22	**2264.40**	
E64		Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable.									
			mtr								
		Vide Total executed Quantity from premeasuremet Page no.						**20.00**			
		Now to be Paid QTY						20.00	111.00	**2220.00**	
E65		Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.									
Measurements taken on											
	a)	65mm	Mtrs					30.00	628.26	**18847.80**	
E66		Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)									
Measurements taken on											
	a)	32mm dia	No					2.00	129.87	**259.74**	
	b)	50 mm dia	No					2.00	283.05	**566.10**	
	c)	75mm dia	No					2.00	550.56	**1101.12**	

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	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m										
From To										
E67	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.									
Measurements taken on										
a)	2.5sqmm	No					30.00	4.44	**133.20**	
b)	4sqmm	No					20.00	7.77	**155.40**	
c)	6sqmm	No					8.00	7.77	**62.16**	
d)	10sqmm	No					12.00	8.88	**106.56**	
E68	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.15" Sweep									
Measurements taken on										
		No					4.00	4440.00	**17760.00**	
E69	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS:1709/1984 with latest amendment, Rated voltage 220 V/ 50 Hz, Rated power input 48 W +/- 10 %, Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value ≥ 4.2 CMM / Watt, Three Blades of blade leaf 1.05mm thick Aluminium Alloy sheet, Class B motor insulation,Bearing Two ball bearings, Top 6202, Bottom 6201 , as per IS specification, Motor wdg. Temp rise Shall not exceed 75 degC over and ambient of 40 0C by resistance method at 245Volts, Insulation resistance Shall not be less than Two Mega Ohms (2 M Ohms), Leakage current Should not exceed 210Micro Amp, Power input, watt& current , Air Delivery & Fan Speed as per IS:374/1979 with latest amendment, 2 year manufacturer Warranty									
Measurements taken on										
a)	48" Sweep 5 Star (1200mm)	No					30.00	3219.00	**96570.00**	
E70	Supplying of .....feet - PVC Batten with integrated LED tube.....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.									
Measurements taken on										
a)	LED light fighting 1 x 4' - 20/22w	No					25.00	416.25	**10406.25**	

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Chainage in m										
From To										
E71	Supplying of recess mounting non integrated type LED down light ..... W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K, CRI> 70%. efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.									
Measurements taken on										
a)	3) 15-18W	No					129.00	2220.00	**286380.00**	
E72	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation.Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection-Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/									
Measurements taken on										
a)	LED Streetlight 150 Watts	No					8.00	13653.00	**109224.00**	

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	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Chainage in m										
From To										
E73	Supplying and Fixing.....mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed forfixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole, using suitable clamps, bolts, nuts and wiring using suitable capacity									
Measurements taken on										
a)	Using 25mm dia G.I.Pipe	No					8.00	1078.92	**8631.36**	
E74	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires									
Measurements taken on										
		No					8.00	194.25	**1554.00**	
E75	Fixing all types and all capacities of fluorescent / false ceiling/ spot light / CFL / LED fittings indoor on the wall / ceiling /rafters / girders using 23/0.0076" twin twisted PVC insulatedwires, required Nos of round blocks and clamps.									
Measurements taken on										
		No					154.00	122.10	**18803.40**	
E76	Fixing a ceiling / wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 amps. ceiling rose of approved quality with necessary length of 23 / 0.0076 inch PVC insulated twin twisted wire of approved quality, mounted on a suitable size wooden board and wired.									
Measurements taken on										
		No					31.00	288.60	**8946.60**	
a)	Extra length of GI pipe of class B 19mm dia for down rod.	No					31.00	177.60	**5505.60**	
E77	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 amps. ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire.									
Measurements taken on										
		No					4.00	444.00	**1776.00**	
								Grand Total	**2492953.13**	

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2493410-19

Round off: 24,93,000.00

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